

Application No. 10/009,147

Applicants: Peter Himmelsbach et al.

Amendment in Response to Office Action dated February 26, 2004

Amendments to the Claims:

The present listing of the claims replaces all past listings of the claims:

Listing of claims:

Claim 1. (Canceled)

Claim 2. (Currently Amended) The ~~combination~~ medical article as claimed in claim 45 28, wherein the cold seal composition is constructed on a block copolymer basis.

Claim 3. (Currently Amended) The ~~combination~~ medical article as claimed in claim 45 28, wherein the overall styrene content in the polymer is less than 40% by weight.

Claim 4. (Currently Amended) The ~~combination~~ medical article as claimed in claim 45 28, wherein the cold seal composition has a dynamic-complex glass transition temperature at a frequency of 0.1 rad/s of less than -30°C.

Claim 5. (Currently Amended) The ~~combination~~ medical article as claimed in claim 45 28, wherein the cold seal composition is applied partially and/or foamed with an inert gas.

Claim 6. (Currently Amended) The ~~combination~~ medical article as claimed in claim 45 28, wherein the cold seal composition is applied to the backing material by a printing

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process selected from the group consisting halftone printing, thermal screen printing and gravure printing.

Claim 7. (Currently Amended) The ~~combination~~ medical article as claimed in claim 45 28, wherein the cold seal composition is applied to the backing material in the form of polygeometric domes.

Claim 8. (Currently Amended) The ~~combination~~ medical article as claimed in claim 45 28, wherein the cold seal composition is coated on the backing material with a coating weight of more than 3 g/m².

Claim 9. (Currently Amended) The ~~combination~~ medical article as claimed in claim 45 28, wherein the ultimate tensile stress elongation of the backing material is less than 300% and/or the ultimate tensile stress strength is from 1 000 to 22 000 cN/cm.

Claim 10. (Currently Amended) The ~~combination~~ medical article as claimed in claim 45 28, wherein the bond strength of the coated backing material is between 0.4 N/cm and 3.0 N/cm.

Claim 11. (Currently Amended) The ~~combination~~ medical article as claimed in claim 45 28, wherein the ~~combination~~ medical article is enveloped or is provided with a wound contact material or padding.

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Claim 12. (Currently Amended) The ~~combination~~ medical article as claimed in claim 45 28, wherein the ~~combination~~ medical article is sterilized.

Claim 13. (Currently Amended) A method of using a ~~combination~~ medical article as claimed in claim 45 28 in a medical treatment of a patient, said method comprising wrapping said ~~combination~~ medical article around a portion of a body of a patient receiving said medical treatment.

Claim 14. (Currently Amended) A method of using a ~~combination~~ medical article as claimed in claim 45 28, comprising wrapping said ~~combination~~ medical article around said a substrate, and optionally removing said ~~combination~~ medical article from around said substrate without damaging the substrate.

Claim 15. (Canceled).

Claim 16. (Currently Amended) The ~~combination~~ medical article as claimed in claim 2, wherein the block copolymer is A-B or A-B-A block copolymers or mixtures thereof.

Claim 17. (Currently Amended) The ~~combination~~ medical article as claimed in claim 16, wherein phase A is polystyrene or its derivatives and phase B is at least one member selected from the group consisting of ethylene, propylene, butylene, butadiene, isoprene and

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mixtures thereof.

Claim 18. (Currently Amended) The ~~combination~~ medical article as claimed in claim 17, wherein phase B is selected from at least member selected from the group consisting of ethylene, propylene and butylene and mixtures thereof.

Claim 19. (Currently Amended) The ~~combination~~ medical article as claimed in claim ~~45~~ 28, wherein the overall styrene content in the polymer is from 3 to 35% by weight.

Claim 20. (Currently Amended) The ~~combination~~ medical article as claimed in claim 4, wherein the dynamic-complex glass transition temperature is less than -50°C.

Claim 21. (Currently Amended) The ~~combination~~ medical article as claimed in claim 4, wherein the dynamic-complex glass transition temperature is from -55°C to 150°C.

Claim 22. (Currently Amended) The ~~combination~~ medical article as claimed in claim ~~45~~ 28, wherein the cold seal composition is coated on the backing material with a coating weight of between 6 g/m² and 180 g/m².

Claim 23. (Currently Amended) The ~~combination~~ medical article as claimed in claim ~~45~~ 28, wherein the cold seal composition is coated on the backing material with a coating weight of between 9 g/m² and 140 g/m².

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Claim 24. (Currently Amended) The ~~combination~~ medical article as claimed in claim 9, wherein the ultimate tensile stress elongation of the backing material is from 5 to 100%, and/or the ultimate tensile stress strength is from 1 000 to 22 000 cN/cm.

Claim 25. (Currently Amended) The ~~combination~~ medical article as claimed in claim 9, wherein the ultimate tensile stress elongation of the backing material is from 150% to 250%, and/or the ultimate tensile stress strength is from 1 000 to 22 000 cN/cm.

Claim 26. (Currently Amended) The ~~combination~~ medical article as claimed in claim 9, wherein the ultimate tensile stress elongation of the backing material is less than 30%, and/or the ultimate tensile stress strength is from 1 000 to 22 000 cN/cm.

Claim 27. (Currently Amended) The method as claimed in claim 13, wherein the ~~combination~~ medical article is in the form of a medical product selected from the group consisting of plasters, medical fixations, wound coverings, orthopedic or phlebological bandages, and dressings.

Claim 28. (Currently Amended) A ~~combination~~ medical article comprising:

- a) a backing material; and
- b) a latex-free, cold seal composition applied to one or both sides of the backing material;

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wherein:

- i) the cold seal composition is a pressure sensitive adhesive having an ultimate tensile stress strength of at least 800 cN/cm;
- ii) the cold seal composition comprises one or more block copolymers having a styrene content of less than 65% by weight; and
- iii) the cold seal composition has a $\tan \delta$ of less than 0.4 at a temperature of 25°C and a frequency of 100 rad/s, wherein $\tan \delta$ is a quotient between a loss modulus and a storage modulus, and
- iv) individual plies or turns of the ~~combination~~ medical article adhere to other plies or turns of the ~~combination~~ medical article, but not substantially to a substrate selected from the group consisting of skin, hair and clothing.